

Abstract

A driving circuit of active matrix organic electroluminescence display is disclosed. Each pixel includes four TFTs and two capacitors. A gate of scan TFT is controlled by the scan line of the
5 row where the pixel is located and a drain of scan TFT is connected to the data line of the column where the pixel is situated. Reset TFT and detect TFT are controlled by one threshold-lock line. One capacitor C_d is used to store data voltage (V_{data}) of image signals and the other capacitor C_t is used to store threshold voltage (V_{th}) of
10 drive TFT. Therefore, the sum of capacitors C_d and C_t will drive TFT to output a corresponding current to the organic electroluminescence element.